

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-8 (canceled).

Claim 9 (new): A vehicle comprising:

a load receiver including a first main surface arranged to receive a load from a rider;

a load detector arranged to detect the load received by the load receiver;

a wheel provided on a side of a second main surface of the load receiver and driven in accordance with the load detected by the load detector;

a wheel support provided between the load receiver and the wheel and arranged to rotatably support the wheel;

a first frame provided between the wheel support and the load receiver and connected with the wheel support;

a second frame provided between the first frame and the load receiver and fixed to the load receiver; and

a connecting member connecting an end region of the first frame with an end region of the second frame, enabling the second frame to pivot with respect to the first frame in directions that are substantially perpendicular to the first main surface of the load receiver; wherein

the load detector is sandwiched by the first frame and the second frame.

Claim 10 (new): The vehicle according to Claim 9, wherein the first frame and the second frame position the connecting member closer to an outer end of the load receiver than the wheel.

Claim 11 (new): The vehicle according to Claim 9, wherein the second frame pivots with respect to the first frame in directions included in a plane which is substantially perpendicular to the first main surface of the load receiver and includes longitudinal directions of the load receiver.

Claim 12 (new): The vehicle according to Claim 9, further comprising an urging member arranged to urge the first frame toward the load receiver.

Claim 13 (new): The vehicle according to Claim 9, wherein the load detector includes at least one of a strain gauge load cell, an electric capacitance sensor and a potentiometer including a gear.

Claim 14 (new): The vehicle according to Claim 9, wherein the load detector includes an elastic member and a position sensor arranged to detect displacement of the elastic member caused by the load.

Claim 15 (new): The vehicle according to Claim 9, further comprising a drive controller operatively connected to the wheel to drive the wheel.

Claim 16 (new): The vehicle according to Claim 9, wherein the load receiver is a board and the wheel support includes an arm.

Claim 17 (new): The vehicle according to Claim 16, wherein the arm includes at least one groove arranged to contain the wheel in a variable position so as to change a turning characteristic of the vehicle.

Claim 18 (new): The vehicle according to Claim 9, wherein the connector member is defined by a hinge mechanism.

Claim 19 (new): The vehicle according to Claim 9, wherein the vehicle is an electric skateboard.

Claim 20 (new): A vehicle comprising:

a load receiver including a first main surface arranged to receive a load from a rider;

a load detector arranged to detect the load received by the load receiver;

a wheel provided on a side of a second main surface of the load receiver and driven in accordance with the load detected by the load detector;

a wheel support provided between the load receiver and the wheel and arranged to rotatably support the wheel;

a first frame provided between the wheel support and the load receiver and connected with the wheel support;

a second frame provided between the first frame and the load receiver and fixed to the load receiver; and

a regulating member arranged to regulate a position of the second frame, enabling the second frame to move in load detecting directions with respect to the first frame; wherein

the load detector is sandwiched between the first frame and the second frame.

Claim 21 (new): The vehicle according to Claim 20, wherein the second frame pivots with respect to the first frame in directions included in a plane which is substantially perpendicular to the first main surface of the load receiver and includes longitudinal directions of the load receiver.

Claim 22 (new): The vehicle according to Claim 20, further comprising an urging member arranged to urge the first frame toward the load receiver.

Claim 23 (new): The vehicle according to Claim 20, wherein the load detector includes at least one of a strain gauge load cell, an electric capacitance sensor and a potentiometer including a gear.

Claim 24 (new): The vehicle according to Claim 20, wherein the load detector includes an elastic member and a position sensor arranged to detect displacement of the elastic member caused by the load.

Claim 25 (new): The vehicle according to Claim 20, further comprising a drive controller operatively connected to the wheel to drive the wheel.

Claim 26 (new): The vehicle according to Claim 20, wherein the load receiver is a board and the wheel support includes an arm.

Claim 27 (new): The vehicle according to Claim 26, wherein the arm includes at least one groove arranged to contain the wheel in a variable position so as to change a turning characteristic of the vehicle.

Claim 28 (new): The vehicle according to Claim 20, wherein the vehicle is an electric skateboard.